

ABSTRACT

In a fuel injection valve (1) having a nozzle body (31) with a nozzle hole (35) at its tip that is opened and closed by a nozzle needle (32) housed in the nozzle body (31), the area of contact between the nozzle needle (32) and a seat (31A) on the nozzle body (31) is provided with a coating layer (Y) to reduce the frictional resistance with the nozzle body (31). When the nozzle needle (32) seats on the seat (31A), between the time from when the tip of the nozzle needle (32) contacts the seat (31A) to when it is pressed against the seat (31A), the nozzle needle (32) slides on the surface of the nozzle body (31) with low frictional resistance. As a result, wear on the seat (31A) when the nozzle needle (32) is seated to open the valve can be kept down.